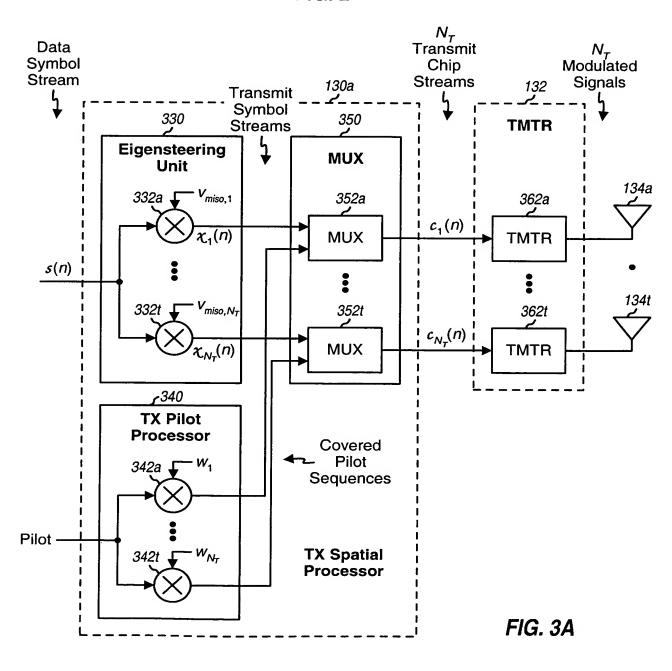
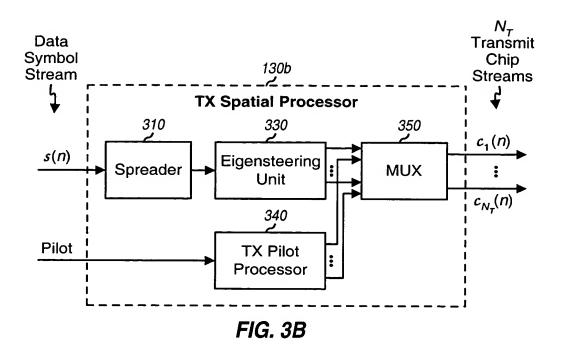
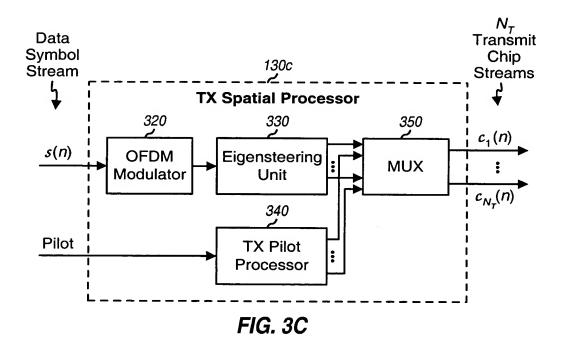
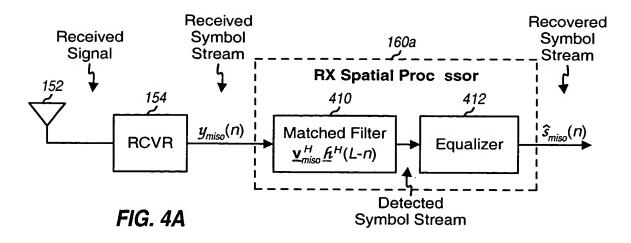


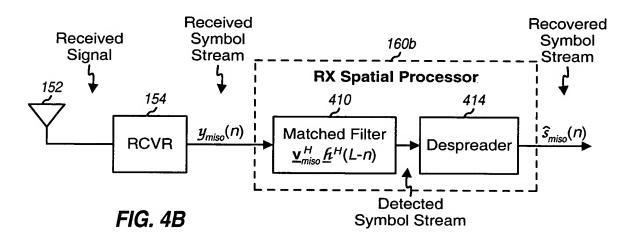
FIG. 2

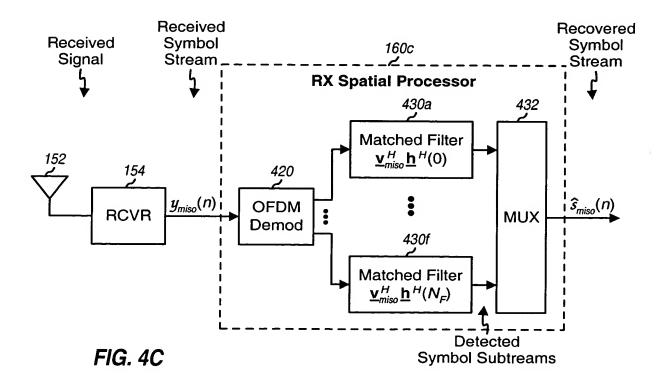


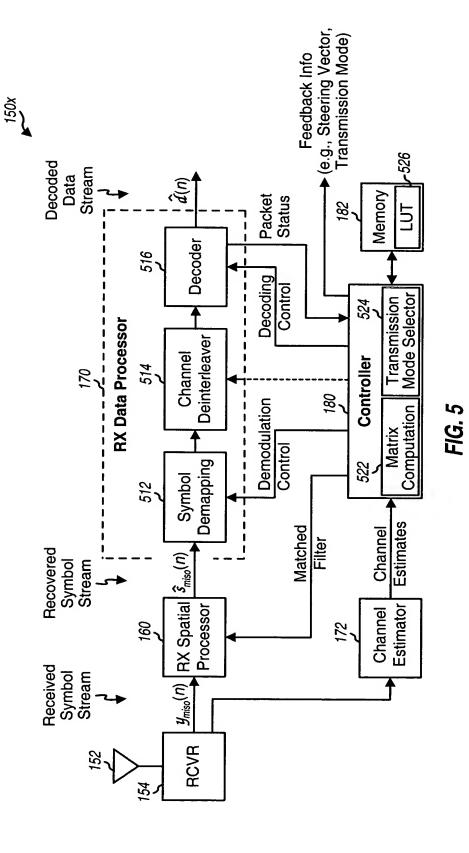


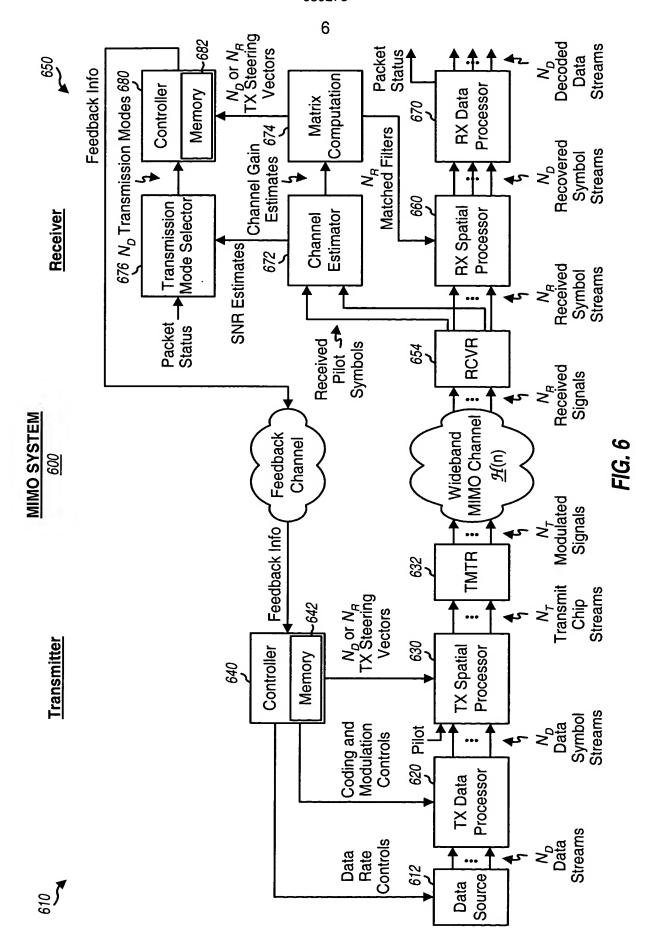












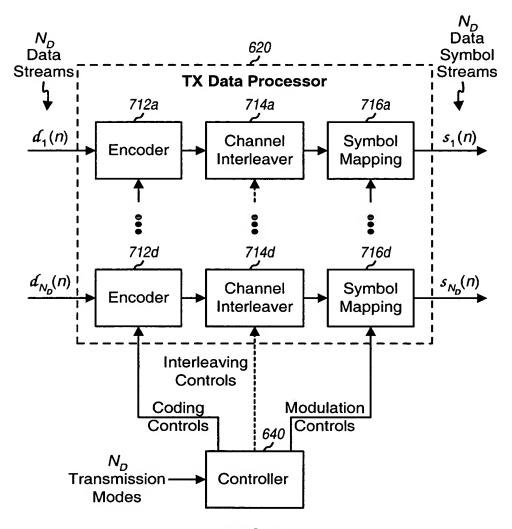


FIG. 7

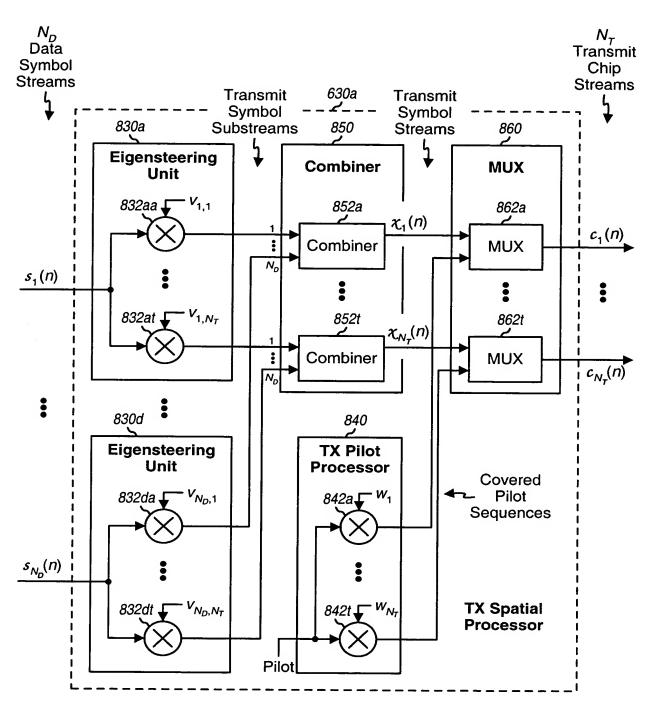


FIG. 8A

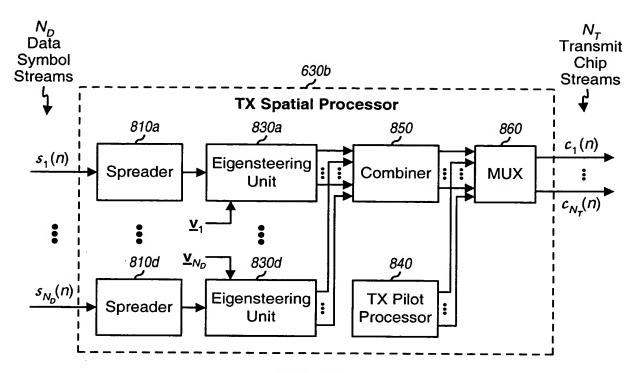


FIG. 8B

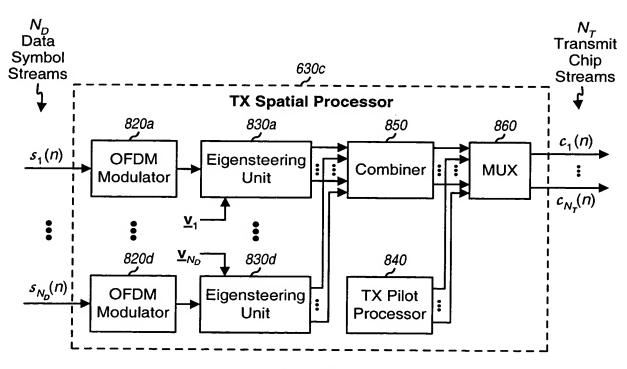
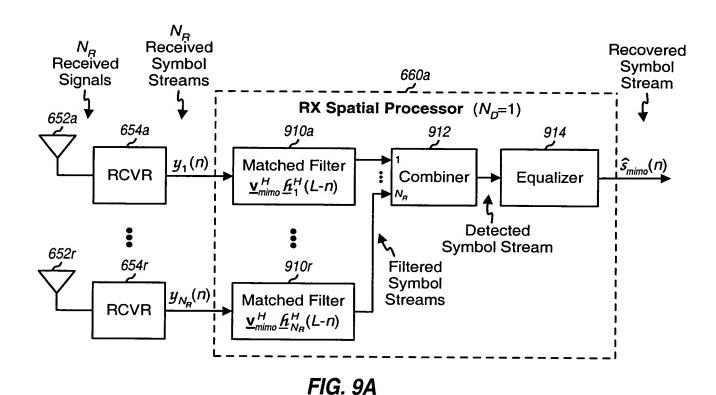


FIG. 8C



 N_R Received N_R Received Recovered **Symbol** Symbol 660b Signals Streams Stream RX Spatial Processor $(N_0=1)$ 652a 654a 910a 912 916 $y_1(n)$ $\widehat{s}_{mimo}(n)$ Matched Filter **RCVR** Combiner Despreader $\underline{\mathbf{v}}_{\text{mimo}}^{H}\underline{\mathbf{h}}_{1}^{H}(L-n)$ Detected Symbol Stream 652r 654r 910r **Filtered Symbol** $y_{N_{R}}(n)$ Matched Filter Streams **RCVR** $\underline{\mathbf{v}}_{\text{mimo}}^{H}\underline{h}_{N_{R}}^{H}(L-n)$

FIG. 9B

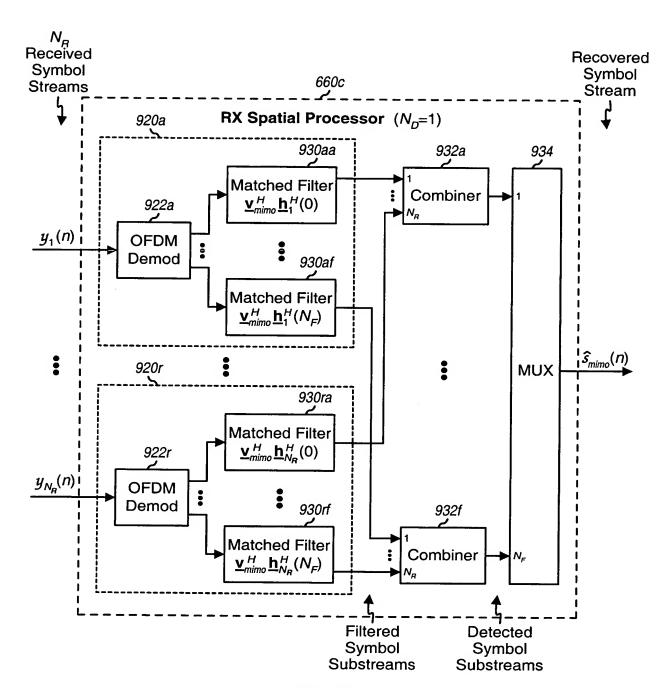
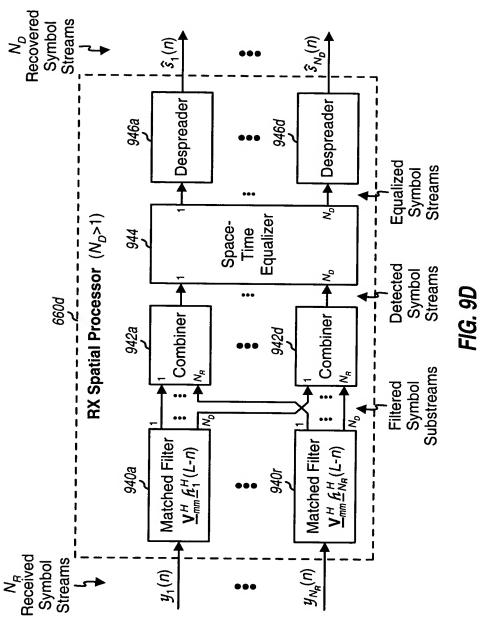
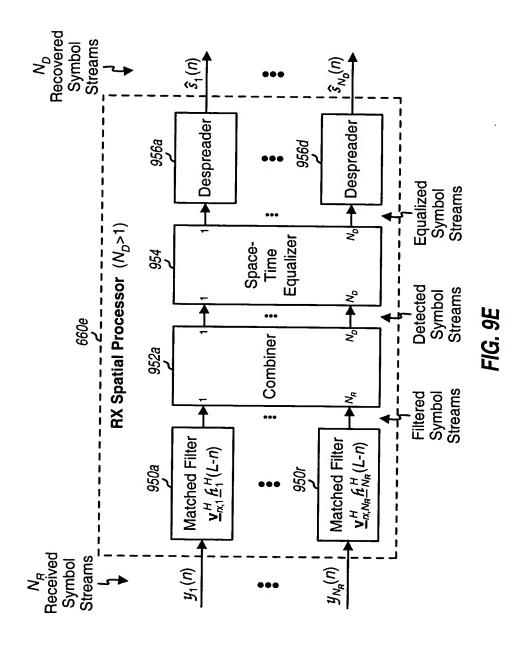
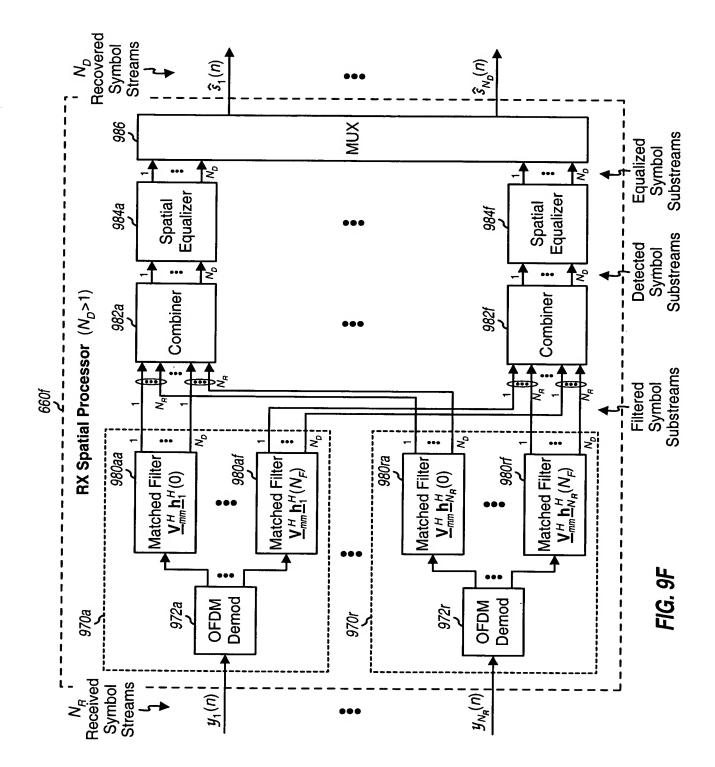
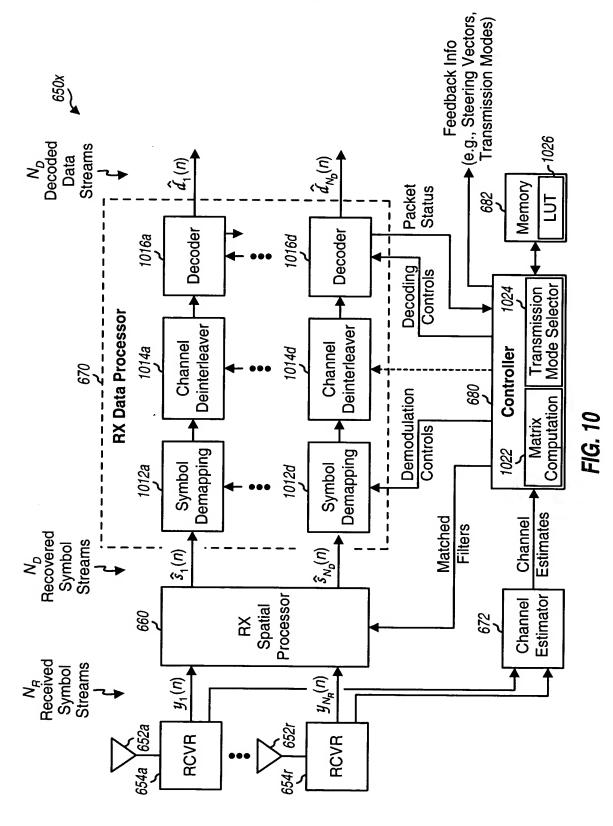


FIG. 9C









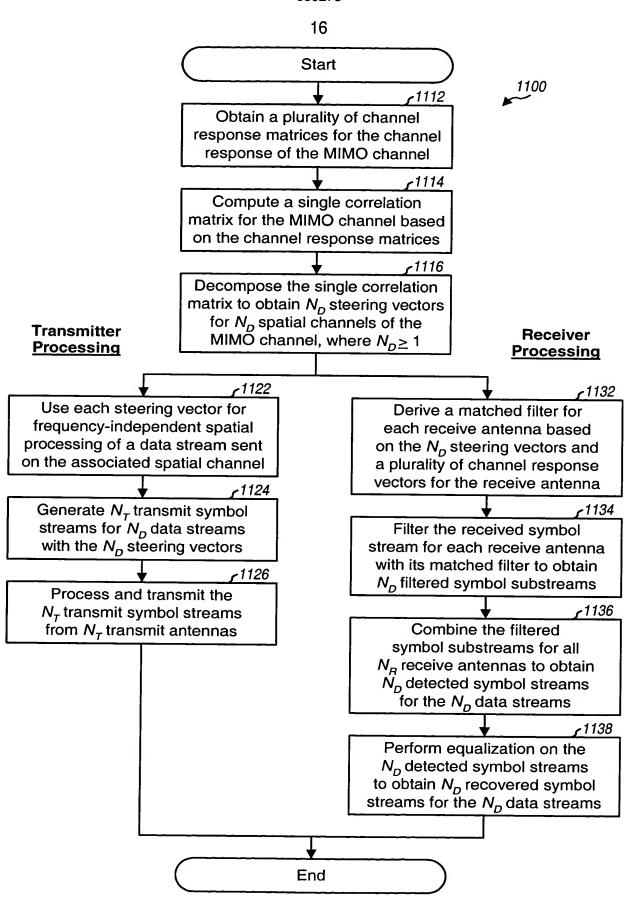


FIG. 11

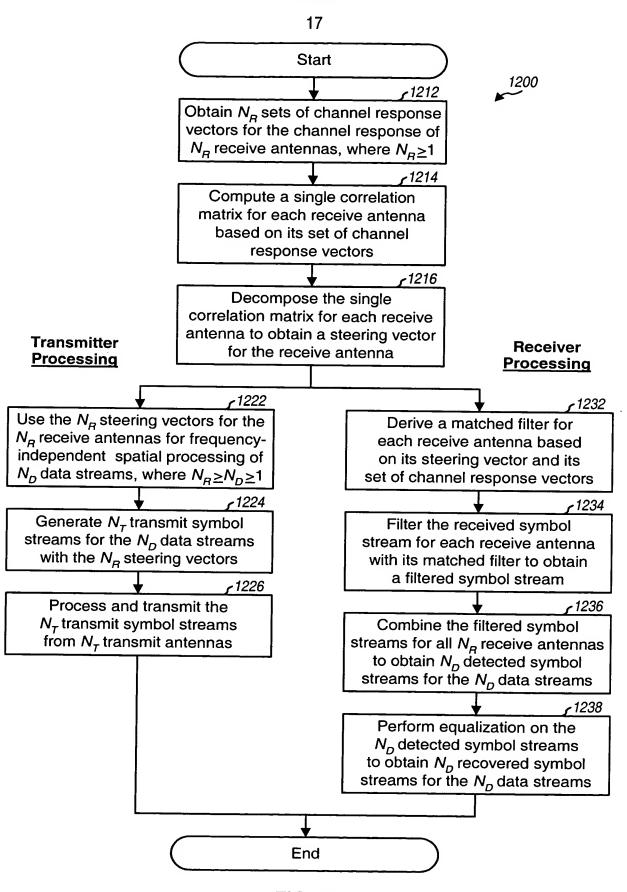


FIG. 12